

Appendicies

Appendix A. USDA Albany *Parafreutreta regalis* "no-choice/ host added" tests

Test No.	Non-target test plants	Dates	<i>Pa. regalis</i> developed on	Notes
PA-1-1004	<i>Euryops pectinatus</i> <i>Packera macounii</i> <i>Senecio blochmaniae</i> <i>Senecio triangularis</i>	4-26 to 5-3 2001	Cape ivy	3 females alive when CI added (4-30), 1 female alive at end of test. CI had 3 galls , 2 dissected 7-31: 1 st had 1 pupal case (PC), 2 nd had 1 dead pupa, 3 rd had <i>Pa. dmg</i>
PA-2-1004	<i>Senecio blochmaniae</i> <i>Packera macounii</i> <i>Senecio hybridus</i> <i>Senecio triangularis</i>	4-27 to 5-4 2001	Cape ivy	3 females alive when CI added (5-1), 1 female alive at end of test. CI had 2 galls , 1 dissected 7-31: it had 2 PC
PA-3-1004	<i>Euryops pectinatus</i> <i>Packera bolanderi</i> <i>Senecio blochmaniae</i> <i>Senecio triangularis</i>	4-30 to 5-7 2001	nothing	2-3 females alive when CI added (5-3), no females alive at end of test.
PA-4-1004	<i>Euryops pectinatus</i> <i>Packera macounii</i> <i>Senecio blochmaniae</i> <i>Senecio hybridus</i>	4-30 to 5-7 2001	nothing	4 females alive when CI added (5-3), 2 females alive at end of test.
PA-5-1004	<i>Euryops pectinatus</i> <i>Packera bolanderi</i> <i>Packera breweri</i> <i>Senecio flaccidus</i>	5-8 to 5-15 2001	nothing (Rydin Rd.)	2 females alive when CI added (5-12), no females alive at end of test.
PA-6-1004	<i>Euryops pectinatus</i> <i>Euryops subcarnosus</i> <i>Packera bolanderi</i> <i>Sen triangularis</i>	7-9 to 7-16 2001	nothing (Rydin Rd.)	2 females alive when CI added (7-12), no females alive at end of test.
PA-7-1015	<i>Adenocaulon bicolor</i> <i>Hedera helix</i> <i>Packera bolanderi</i> <i>Senecio confusus</i>	8-22 to 8-29 2001	nothing (Rydin Rd.)	3 females alive when CI added (8-25), 1 or 2 females alive at end of test.
PA-8-1015	<i>Adenocaulon bicolor</i> <i>Erechtites glomerata</i> <i>Euryops subcarnosus</i> <i>Hedera helix</i>	8-22 to 8-29 2001	Cape ivy (Garrapata Ck.)	4 females alive when CI added (8-25), 2 or 3 females alive at end of test. CI had 4 galls , 3 dissected 11-5: 1 st had 1 PC, 2 nd had 3 PC, 3 rd had 2 PC and 2 dead adults
PA-9-1015	<i>Adenocaulon bicolor</i> <i>Erechtites glomerata</i> <i>Packera bolanderi</i> <i>Senecio confusus</i>	8-22 to 8-28 2001	nothing	4 (?) females alive when CI added (8-25), all females escaped before end of test.
PA-10-1015	<i>Erechtites glomerata</i> <i>Euryops subcarnosus</i> <i>Senecio blochmaniae</i> <i>Senecio confusus</i>	8-22 to 8-27 2001	nothing (Rydin Rd.)	2 females alive when CI added (8-25), no females alive at end of test.

PA-11-1015	<i>Adenocaulon bicolor</i> <i>Erechtites glomerata</i> <i>Euryops subcarnosus</i> <i>Senecio confusus</i>	8-27 to 9-4 2001	Cape ivy (Rydin Rd.)	4 females alive when CI added (8-30), 2 females alive at end of test. CI had 7 galls , 5 split 11-5: 1 st had 3 PC, 2 nd had 1 dead adult, 3 rd had 3 PC, 4 th had 1 PC, 5 th had <i>Pa.dmg</i> ; 1 split 11-29: it had 5 PC and 1 dead pupa
PA-12-1015	<i>Erechtites glomerata</i> <i>Euryops subcarnosus</i> <i>Senecio flaccidus</i> <i>Senecio triangularis</i>	8-28 to 9-4 2001	Cape ivy (Garrapata Ck.)	4 females alive when CI added (8-31), 3 females alive at end of test. CI had 7 galls , 4 dissected 11-5: 1 st had 8 PC, 2 nd had 2 PC and 1 pupa, 3 rd had 1 PC, 1 pupa and 1 dead adult, 4 th had 4 PC
PA-13-1015	<i>Erechtites glomerata</i> <i>Hedera helix</i> <i>Packera bolanderi</i> <i>Senecio flaccidus</i>	8-29 to 9-5 2001	nothing (Rydin Rd.)	4 females alive when CI added (9-1), 2 females alive at end of test.
PA-14-1015	<i>Adenocaulon bicolor</i> <i>Euryops subcarnosus</i> <i>Packera macounii</i> <i>Senecio flaccidus</i>	8-29 to 9-5 2001	Cape ivy (Rydin Rd.)	4 females alive when CI added (9-1), 1 female alive at end of test. CI had 6 galls , 2 dissected 11-5: 1 st had 3 PC, 2 pupae and 1 dead adult, 2 nd had 5 PC, 1 pupa and 1 dead adult <i>Adenocaulon</i> had possible <i>Pa.</i> damage
PA-15-1015	<i>Adenocaulon bicolor</i> <i>Euryops subcarnosus</i> <i>Packera macounii</i> <i>Senecio flaccidus</i>	9-5 to 9-12 2001	nothing (Garrapata Ck.)	4 females alive when CI added (9-7), 3 females alive at end of test.
PA-16-1015	<i>Euryops subcarnosus</i> <i>Packera macounii</i> <i>Senecio confusus</i> <i>Senecio flaccidus</i>	9-12 to 9-19 2001	Cape ivy	4 females alive when CI added (9-14), 3 females alive at end of test. CI had 1 gall , 1 gall dissected 11-29: it had 2 PC
PA-17-1015	<i>Adenocaulon bicolor</i> <i>Senecio blochmaniae</i> <i>Senecio confusus</i> <i>Senecio flaccidus</i>	9-17 to 9-24 2001	Cape ivy (Garrapata Ck.)	4 females alive when CI added (9-20), 3 females alive at end of test. CI had 4 galls , 4 dissected 11-29: 1 st had 2 PC, 2 nd had 1 dead pupa, 2 live females and 1 live male, 3 rd had 5 PC, 4 th had 4 PC
PA-18-2015	<i>Euryops pectinatus</i> <i>Hedera helix</i> <i>Senecio blochmaniae</i> <i>Senecio confusus</i>	10-15 to 10-22 2001	Cape ivy (Rydin Rd.)	4 females alive when CI added (10-18), 2 females alive at end of test. CI had 5 galls
PA-1-3015	<i>Hedera canariensis</i> <i>Euryops pectinatus</i> <i>Packera bolanderi</i> <i>Senecio hybridus</i>	1-10 to 1-17 2002	Cape ivy (Rydin Rd.)	4 females alive when CI added (1-13), 2 females alive at end of test. CI had 3 galls , 1 dissected 4-10: it had 7 pupal cases, 2 dissected 4-24: 1 st had 1 dead pupa, 2 nd had 1 PC

PA-2-3015	<i>Hedera canariensis</i> <i>Euryops pectinatus</i> <i>Packera bolanderi</i> <i>Senecio hybridus</i>	1-14 to 1-22 2002	nothing (Garrapata Ck.)	4 females alive when CI added (1-17), 1 female alive at end of test.
PA-4-4015	<i>Packera breweri</i> <i>Packera ganderi</i> <i>Petasites frigidus</i> <i>Senecio blochmaniae</i>	3-4 to 3-11 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (3-7), 1 females alive at end of test. CI had 3 galls , 2 dissected 6-17: 1 st had 1 dead pupa and 2 PC, 1 dissected 6-27: it had 1 pupa
PA-5-4015	<i>Packera bolanderi</i> <i>Packera ganderi</i> <i>Packera ganderi</i> <i>Senecio hybridus</i>	3-7 to 3-14 2002	Cape ivy (Garrapata Ck.)	4 females alive when CI added (3-11), 2 females alive at end of test. CI had 10 galls , 10 dissected 6-3: 1 st had 3 dead pupae, 2 nd had 2 dead pupae and 15 PC, 3 rd had 2 dead pupae, 4 th had 1 dead pupa and 3 PC, 5 th had <i>Pa.</i> damage, 6 th had 3 dead pupae and 9 PC, 7 th had 2 PC, 8 th had 4 PC, 9 th had 1 dead pupa and 1 PC, 10 th had 1 dead pupa and 2 PC
PA-6-4015	<i>Luina hypoleuca</i> <i>Packera breweri</i> <i>Senecio vulgaris</i> <i>Senecio jacobaea</i>	3-11 to 3-18 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (3-14), 3 females alive at end of test. CI had 13 galls , 13 dissected 6-3: 1 st had 9 PC, 2 nd had 4 PC, 3 rd had 3 PC, 4 th had 5 PC, 5 th had 2 PC, 6 th had 3 PC, 7 th had 1 dead pupa and 3 PC, 8 th had 3 PC, 9 th had 5 PC, 10 th had 4 PC, 11 th had 3 PC, 12 th had 1 PC, 13 th had 2 PC
PA-8-4015	<i>Luina hypoleuca</i> <i>Packera breweri</i> <i>Senecio vulgaris</i> <i>Senecio jacobaea</i>	3-18 to 3-25 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (3-21), 3 females alive at end of test. CI had 11 galls , 2 dissected 5-29: 1 st had 9 PC, 2 nd had 1 dead pupa and 7 PC; 9 dissected on 6-3: 1 st had 5 PC, 2 nd had 7 PC, 3 rd had 2 PC, 4 th had 5 PC, 5 th had 1 dead pupa and 3 PC, 6 th had 2 PC, 7 th had 6 PC, 8 th had 3 PC, 9 th had 3 PC
PA-10-5015	<i>Hedera canariensis</i> <i>Luina hypoleuca</i> <i>Petasites frigidus</i> <i>Senecio jacobaea</i>	4-11 to 4-19 2002	Cape ivy (Garrapata Ck.)	2 females alive when CI added (4-15), 1 female alive at end of test. CI had 4 galls , 2 dissected 6-25: 1 st had 1 dead pupa and 3 PC, 2 nd had 1 PC; 2 dissected 6-28: 1 st had 1 larvae, 2 nd had 1 larva and 1 pupa
PA-11-5015	<i>Hedera helix</i> <i>Luina hypoleuca</i> <i>Petasites frigidus</i> <i>Senecio jacobaea</i>	4-15 to 4-22 2002	nothing (Garrapata Ck.)	3 females alive when CI added (4-18), 1 female alive at end of test.

PA-12-5015	<i>Euryops pectinatus</i> <i>Hedera helix</i> <i>Senecio hybridus</i> <i>Senecio triangularis</i>	4-18 to 4-29 2002	nothing (Garrapata Ck.)	1-3 females alive when CI added (4-22), no females alive at end of test.
PA-13-5015	<i>Carthamus tinctorius</i> <i>Hedera helix</i> <i>Petasites frigidus</i> <i>Senecio triangularis</i>	4-25 to 4-29 2002	n/a	test aborted due to high <i>Pa.</i> mortality rate
PA-14-5015	<i>Carthamus tinctorius</i> <i>Hedera helix</i> <i>Petasites frigidus</i> <i>Senecio triangularis</i>	4-29 to 5-6 2002	nothing (Garrapata Ck.)	3-4 females alive when CI added (5-2), no females alive at end of test.
PA-15-5015	<i>Carthamus tinctorius</i> <i>Hedera helix</i> <i>Petasites frigidus</i> <i>Senecio triangularis</i>	5-3 to 5-13 2002	Cape ivy (Garrapata Ck.)	2 females alive when CI added (5-7), 1 female alive at end of test. CI had 6 galls , 5 dissected 7-10: 1 st had 2 PC, 2 nd had 3 PC, 3 rd had 1 dead pupa and 3 PC, 4 th had 2 PC, 5 th had 1 dead pupa and 2 PC; 1 dissected 8-26: it had 2 dead adults and 1 PC
PA-16-5015	<i>Carthamus tinctorius</i> <i>Packera bolanderi</i> <i>Packera ganderi</i> <i>Senecio hybridus</i>	5-6 to 5-14 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (5-9), 3 females alive at end of test. CI had 1 gall , it was dissected on 8-12 and had 3 dead adults
PA-17-5015	<i>Carthamus tinctorius</i> <i>Erechtites glomerata</i> <i>Hedera helix</i> <i>Luina hypoleuca</i>	5-7 to 5-15 2002	Cape ivy (Garrapata Ck.)	4 females alive when CI added (5-10), 1 female alive at end of test. CI had 10 galls , 3 dissected on 6-28 only had <i>Pa.</i> dmg; 4 were dissected on 7-11: 1 st had 3 PC, 2 nd had 1 live female and 1 PC, 3 rd had 4 pupae, 4 th had 3 pupae and 2 PC; 2 were dissected 8-6: 1 st had 8 PC, 2 nd had 1 dead female and 2 dead pupae; 1 dissected 8-13: it had 1 pupa and 3 PC
PA-18-5015	<i>Carthamus tinctorius</i> <i>Erechtites glomerata</i> <i>Hedera helix</i> <i>Senecio blochmaniae</i>	5-16 to 5-24 2002	Cape ivy (Garrapata Ck.)	4 females alive when CI added (5-20), 1 female alive at end of test. CI had 5 galls , 2 were dissected 8-21: 1 st had 6 PC, 2 nd had 4 PC; 2 were dissected 8-27: 1 st had 1 dead adult and 1 dead pupa, 2 nd had <i>Pa.</i> dmg
PA-19-5015	<i>Euryops pectinatus</i> <i>Hedera helix</i> <i>Packera bolanderi</i> <i>Packera macounii</i>	5-17 to 5-24 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (5-21), 1 female alive at end of test. CI had 5 galls , 1 dissected 8-26: it had 7 PC; 4 dissected 8-27: 1 st had <i>Pa.</i> dmg, 2 nd had 3 dead adults, 3 rd had 5 dead adults, 4 th had 2 dead pupae

PA-20-5015	<i>Carthamus tinctorius</i> <i>Euryops pectinatus</i> <i>Senecio triangularis</i> <i>Tagetes sp.</i>	5-28 to 6-6 2002	nothing (Garrapata Ck.)	4 females alive when CI added (5-31), no females alive at end of test.
PA-21-5015	<i>Hedera helix</i> <i>Packera bolanderi</i> <i>Packera breweri</i> <i>Tagetes sp.</i>	6-3 to 6-10 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (6-6), no females alive at end of test. CI had 3 galls , 3 were dissected 8-13: 1 st had 3 PC, 2 nd had 3 PC, 3 rd had 1 dead female and 6 PC
PA-22-5015	<i>Hedera helix</i> <i>Petasites frigidus</i> <i>Senecio flaccidus</i> <i>Tagetes sp.</i>	6-6 to 6-12 2002	nothing (Garrapata Ck.)	2 females alive when CI added (6-10), no females alive at end of test.
PA-23-5015	<i>Adenocaulon bicolor</i> <i>Luina hypoleuca</i> <i>Senecio jacobaea</i> <i>Tagetes sp.</i>	6-10 to 6-17 2002	nothing (Garrapata Ck.)	3 females alive when CI added (6-13), no females alive at end of test.
PA-24-5015	<i>Hedera helix</i> <i>Petasites frigidus</i> <i>Senecio flaccidus</i> <i>Tagetes sp.</i>	6-11 to 6-17 2002	nothing (Garrapata Ck.)	2 females alive when CI added (6-14), no females alive at end of test.
PA-25-5015	<i>Senecio confusus</i> <i>Senecio jacobaea</i> <i>Senecio vulgaris</i> <i>Tagetes sp.</i>	6-17 to 6-21 2002	Cape ivy (Garrapata Ck.)	4 females alive when CI added (6-17), no females alive at end of test. CI had 3 galls , 2 dissected 9-6: both had <i>Pa. dmg</i>
PA-26-5015	<i>Hedera helix</i> <i>Packera breweri</i> <i>Senecio flaccidus</i> <i>Tagetes sp.</i>	6-17 to 6-27 2002	nothing (Garrapata Ck.)	2 females alive when CI added (6-21), no females alive at end of test.
PA-27-5015	<i>Hedera helix</i> <i>Packera bolanderi</i> <i>Petasites frigidus</i> <i>Tagetes sp.</i>	6-18 to 7-1 2002	nothing (Garrapata Ck.)	3 females alive when CI added (6-21), no females alive at end of test.
PA-28-5015	<i>Carthamus tinctorius</i> <i>Euryops pectinatus</i> <i>Senecio triangularis</i> <i>Senecio vulgaris</i>	6-20 to 7-1 2002	nothing (Garrapata Ck.)	3 females alive when CI added (6-24), no females alive at end of test.
PA-29-6015	<i>Adenocaulon bicolor</i> <i>Senecio hybridus</i> <i>Senecio jacobaea</i> <i>Senecio vulgaris</i>	7-10 to 7-19 2002	nothing (Garrapata Ck.)	4 females alive when CI added (7-15), no females alive at end of test.

PA-30-6015	<i>Adenocaulon bicolor</i> <i>Hedera helix</i> <i>Senecio jacobaea</i> <i>Senecio vulgaris</i>	8-5 to 8-13 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (8-8), no females alive at end of test. CI had 5 galls , 5 dissected 10-15: 1 st had 3 PC, 2 nd had 3 PC, 3 rd had 3 PC, 4 th had <i>Pa. dmg</i> , 5 th had 5 PC
PA-31-8015	<i>Carthamus tinctorius</i> <i>Euryops pectinatus</i> <i>Petasites frigidus</i> <i>Senecio hybridus</i>	11-19 to 11-26 2002	Cape ivy (Garrapata Ck.)	2 females alive when CI added (11-22), no females alive at end of test. CI had 10 galls ,
PA-32-8015	<i>Lepidospartum</i> <i>latisquamum</i> <i>Senecio triangularis</i> <i>Symphyotrichum</i> <i>chilense</i> <i>Tagetes sp.</i>	11-21 to 12-2 2002	Cape ivy	4 females alive when CI added (11-25), no females alive at end of test. CI had 15 galls , 7 dissected 1-27-03: 1 st had 2 PC, 2 nd had <i>Pa. dmg</i> , 3 rd had 2 pupae, 4 th had 1 pupa, 5 th had 1 pupa, 6 th had <i>Pa. dmg</i> , 7 th had <i>Pa. dmg</i>
PA-33-8015	<i>Anaphalis</i> <i>margaritacea</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i> <i>Tagetes sp.</i>	11-26 to 12-3 2002	Cape ivy (Garrapata Ck.)	2 females alive when CI added (11-29), no females alive at end of test. CI had 6 galls ,
PA-34-8015	<i>Anaphalis</i> <i>margaritacea</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i> <i>Tagetes sp.</i>	11-26 to 12-3 2002	nothing (Rydin Rd.)	2 females alive when CI added (11-29), 1 female alive at end of test.
PA-35-8015	<i>Anaphalis</i> <i>margaritacea</i> <i>Eriophyllum</i> <i>spicatum</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i>	11-29 to 12-6 2002	nothing (Garrapata Ck.)	4 females alive when CI added (12-2), 3 females alive at end of test.
PA-36-8015	<i>Anaphalis</i> <i>margaritacea</i> <i>Calendula officinalis</i> <i>Eriophyllum</i> <i>spicatum</i> <i>Lepidospartum</i> <i>latisquamum</i>	12-2 to 12-10 2002	Cape ivy (Garrapata Ck.)	3 females alive when CI added (12-5), 2 females alive at end of test. CI had 1 gall

PA-37-8015	<i>Anaphalis margaritacea</i> <i>Carthamus tinctorius</i> <i>Eriophyllum staechadifolium</i> <i>Symphyotrichum chilense</i>	12-2 to 12-10 2002	Cape ivy (Garrapata Ck.)	* test started w/ 3 females and 5 males 3 females alive when CI added (12-5), 2 females alive at end of test. CI had 4 galls
PA-1-9015	<i>Aster chilensis</i> <i>Calendula officinalis</i> <i>Senecio flaccidus</i> <i>Senecio vulgaris</i>	1-27 to 2-4 2003	nothing (Garrapata Ck.)	3 females alive when CI added (1-30), 1 female alive at end of test.
PA-2-9015	<i>Anaphalis margaritacea</i> <i>Aster chilensis</i> <i>Calendula officinalis</i> <i>Lepidospartum latisquamum</i>	1-28 to 2-5 2003	Cape ivy (Garrapata Ck.)	3 females alive when CI added (1-31), no females alive at end of test. CI had 7 galls , 7 dissected 4-8-03: 1 st had 2 PC, 2 nd had 11 PC, 3 rd had 5 PC, 4 th had 5 PC, 5 th had 3 PC, 6 th had 1 dead adult and 6 PC, 7 th had 4 PC
PA-3-9015	<i>Aster chilensis</i> <i>Calendula officinalis</i> <i>Lepidospartum latisquamum</i> <i>Senecio flaccidus</i>	1-31 to 2-10 2003	Cape ivy (Garrapata Ck.)	3 females alive when CI added (2-4), no females alive at end of test. CI had 6 galls , 6 dissected 4-8-03: 1 st had 2 PC, 2 nd had 4 PC, 3 rd had 7 PC, 4 th had 1 pupa and 4 PC, 5 th had 2 live adults, 1 pupa, and 2 PC, 6 th had 2 dead adults and 2 dead pupae
PA-4-9015	<i>Calendula officinalis</i> <i>Eriophyllum staechadifolium</i> <i>Lepidospartum latisquamum</i> <i>Senecio vulgaris</i>	2-7 to 2-10 2003	n/a	test aborted due to high mortality and missing <i>Pa.</i> flies
PA-5-9015	<i>Anaphalis margaritacea</i> <i>Centaurea melitensis</i> <i>Eriophyllum staechadifolium</i> <i>Vernonia missurica</i>	3-14 to 3-21 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 2 females alive at end of test. CI had 4 galls , 3 dissected 5-27-03: 1 st had 2 adults, 1 dead pupa, 2 nd had 10 PC, 3 rd had 5 PC; 1 dissected 6-11-03, it had 1 dead pupa
PA-6-9015	<i>Blennosperma nanum</i> <i>Calendula officinalis</i> <i>Grindelia sp.</i> <i>Vernonia missurica</i>	3-21 to 3-28 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 6 galls , 6 dissected 6-9-04: 1 st had 7 PC, 2 nd had 5 PC, 3 rd had 4 PC, 4 th had 8 PC, 5 th had 1 pupa and 3 PC, 6 th had 4 PC

PA-7-1015	<i>Blennosperma nanum</i> <i>Calendula officinalis</i> <i>Grindelia sp.</i> <i>Vernonia missurica</i>	3-25 to 4-1 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 3 galls , 3 dissected 6-2-03: 1 st had 5 PC, 2 nd had 6 PC, 3 rd had 1 dead adult and 4 PC
PA-8-1015	<i>Blennosperma nanum</i> <i>Fragaria chiloensis</i> <i>Grindelia sp.</i> <i>Vernonia missurica</i>	4-1 to 4-8 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 2 females alive at end of test. CI had 9 galls , 4 dissected 6-9-03: 1 st had 5 PC, 2 nd had 1 dead adult and 8 PC, 3 rd had 4 PC, 4 th had 3 dead larvae; 5 dissected 6-19-03: 1 st had 7 dead adults, 2 nd had 5 dead adults, 3 rd had 3 dead adults, 4 th had 5 dead adults and 2 dead pupae, 5 th had dmg
PA-9-1015	<i>Blennosperma nanum</i> <i>Eriophyllum staechedifolium</i> <i>Fragaria chiloensis</i> <i>Vernonia missurica</i>	4-8 to 4-15 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 8 galls , 8 dissected 6-23-03: 1 st had 5 PC, 2 nd had 6 PC, 3 rd had 4 dead adults, 4 th had 4 dead adults and 1 dead pupa, 5 th had 4 PC, 6 th had 1 dead pupa and 1 PC, 7 th had 1 dead pupa and 7 PC, 8 th had 6 PC
PA-10-1015	<i>Blennosperma nanum</i> <i>Eriophyllum staechedifolium</i> <i>Tagates sp.</i> <i>Vernonia missurica</i>	4-15 to 4-22 2003	Cape ivy (Garrapata Ck.)	3 females alive when CI added, no females alive at end of test. CI had 6 galls , 6 dissected 6-25-03: 1 st had 3 PC, 2 nd had 1 dead pupa and 3 PC, 3 rd had 4 PC, 4 th had 2 dead adults and 2 PC, 5 th had 4 dead adults, 6 th had 3 PC
PA-16-1115	(2x) <i>Fragaria chiloensis</i> <i>Grindelia sp.</i> <i>Senecio vulgaris</i>	5-13 to 5-22 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, no females alive at end of test. CI had 10 galls , 10 dissected 7-25-03: 1 st had 3 dead adults, 1 dead pupa, and 9 PC, 2 nd had 2 dead pupae and 11 PC, 3 rd had 6 PC, 4 th had 5 PC, 5 th had 2 dead adult and 6 PC, 6 th had 2 dead adults and 3 dead pupae, 7 th had 3 dead adults and 7 PC, 8 th had 3 dead adults and 2 dead pupae, 9 th had 1 dead adult, 2 dead pupae, and 8 PC, 10 th had dmg
PA-17-1215	<i>Baccharis pilularis</i> <i>Fragaria chiloensis</i> <i>Grindelia sp.</i> <i>Luina hypoleuca</i>	6-27 to 7-4 2003	Cape ivy (Garrapata Ck.)	4 females alive when CI added, no females alive at end of test. CI had 2 galls , 2 dissected 9-18-03: 1 st had dmg, 2 nd had dmg

PA-1-1615	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i>	2-10 to 2-17 2004	nothing (Garrapata Ck.)	3 females alive when CI added, 2 females alive at end of test
PA-2-1615	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i>	2-10 to 2-17 2004	Cape ivy (Garrapata Ck.)	3 females alive when CI added, 1 female alive at end of test. CI had 1 gall , dissected 5-4-04: it had 8 PC
PA-3-1615	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i>	2-13 to 2-23 2004	nothing (Garrapata Ck.)	4 females alive when CI added, no females alive at end of test.
PA-4-1615	<i>Campanula muralis</i> <i>Cichorium intybus</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i>	2-17 to 2-24 2004	Cape ivy (Garrapata Ck.)	3 females alive when CI added, 3 females alive at end of test. CI had 4 galls , dissected 5-4-04: 1 st had 1 dead adult, 1 dead pupa, and 2 PC, 2 nd had 2 dead pupae and 2 PC, 3 rd had 4 dead pupae, 4 th had 17 PC
PA-5-1615	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i>	2-23 to 3-1 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 13 galls , dissected 5-4-04: 1 st had 2 dead adults and 2 dead pupae, 2 nd had 2 dead adults and 2 dead pupae, 3 rd had 4 dead adults and 1 dead pupa, 4 th had 2 dead adults and 1 dead pupa, 5 th had 2 dead adults and 1 dead pupa, 6 th had 2 dead adults and 1 dead pupa, 7 th had 1 dead pupa and 5 PC, 8 th had 2 dead pupae, 9 th had 7 PC, 10 th had 7 PC, 11 th had 7 PC, 12 th had 5 PC, 13 th had 3 PC
PA-6-1615	<i>Achillea millefolium</i> <i>Cichorium intybus</i> <i>Madia elegans</i> <i>Marah fabaceus</i>	2-24 to 3-2 2004	Cape ivy (Garrapata Ck.)	3 females alive when CI added, 1 female alive at end of test. PA had 4 galls , dissected 5-4-04: 1 st had 13 dead adults, 2 nd had 6 PC, 3 rd had 5 PC, 4 th had 5 PC
PA-7-1615	<i>Cichorium intybus</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i> <i>Madia elegans</i>	3-2 to 3-9 2004	Cape ivy (Garrapata Ck.)	2 females alive when CI added, 1 female alive at end of test. CI had 7 galls , dissected 5-17-04: 1 st had 5 dead adults, 2 nd had 1 dead pupa and 16 PC, 3 rd had 7 PC, 4 th had 4 PC, 5 th had 3 PC, 6 th had 2 PC, 7 th had 2 PC
PA-8-1615	<i>Cichorium intybus</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i> <i>Madia elegans</i>	3-2 to 3-9 2004	nothing (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test.

PA-9-1615	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Cichorium intybus</i> <i>Madia elegans</i>	3-9 to 3-16 2004	nothing (Garrapata Ck.)	4 females alive when CI added, no females alive at end of test.
PA-10-1615	<i>Achillea millefolium</i> <i>Artemisia californica</i> <i>Campanula muralis</i> <i>Madia elegans</i>	3-9 to 3-16 2004	nothing (Garrapata Ck.)	3 females alive when CI added, 1 female alive at end of test.
PA-12-1715	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidium latifolium</i> <i>Lobelia erinus</i>	3-30 to 4-6 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 3 females alive at end of test. CI had 11 galls , dissected 6-14-04: 1 st had 14 PC, 2 nd had 7 PC, 3 rd had 7 PC, 4 th had 6 PC, 5 th had 5 PC, 6 th had 4 PC, 7 th had 4 PC, 8 th had 4 PC, 9 th had 3 PC, 10 th had 2 PC, 11 th had 2 PC
PA-14-1715	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Cichorium intybus</i> <i>Marah fabaceus</i>	4-6 to 4-14 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, no females alive at end of test. CI had 7 galls , dissected 6-23-04: 1 st had 1 dead adult, 1 dead pupa, and 4 PC, 2 nd had 1 dead adult and 4 PC, 3 rd had 1 dead pupa and 2 PC, 4 th had several dead larvae, 5 th had 1 dead larva, 6 th had 5 PC, 7 th had 4 PC
PA-16-1715	<i>Artemisia californica</i> <i>Baccharis pilularis</i> <i>Cichorium intybus</i> <i>Marah fabaceus</i>	4-16 to 4-23 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 3 females alive at end of test. CI had 8 galls , dissected 7-8-04: 1 st had 1 dead adult 2 dead pupae, and 1 live larva, 2 nd had 2 dead adults and 2 dead pupae, 3 rd had 1 dead adult and 6 PC, 4 th had 1 dead pupa and 3 PC, 5 th had 1 dead pupa and 5 PC, 6 th had 1 dead adult, 7 th had 4 PC, 8 th had dmg
PA-17-1715	<i>Artemisia californica</i> <i>Baccharis pilularis</i> <i>Erigeron glaucus</i> <i>Picris echioides</i>	4-23 to 4-29 2004	nothing (Garrapata Ck.)	3 females alive when CI added, no females alive at end of test.
PA-18-1715	<i>Artemisia californica</i> <i>Baccharis pilularis</i> <i>Erigeron glaucus</i> <i>Madia elegans</i>	4-27 to 5-4 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 1 gall , dissected 7-8-04: it had 3 PC and 1 pupa

PA-19-1715	<i>Artemisia californica</i> <i>Baccharis pilularis</i> <i>Erigeron glaucus</i> <i>Madia elegans</i>	5-4 to 5-11 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 2 females alive at end of test. CI had 6 galls , dissected 7-22-04: 1 st had 5 dead pupae and 2 PC, 2 nd had 3 dead pupae and 4 PC, 3 rd had 3 dead pupae and 4 PC, 4 th had 2 dead pupae and 3 PC, 5 th had 1 dead pupa and 4 PC, 6 th had 2 dead pupae
PA-20-1715	<i>Artemisia californica</i> <i>Erigeron glaucus</i> <i>Madia elegans</i> <i>Picris echioides</i>	5-4 to 5-11 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 5 galls , dissected 7-22-04: 1 st had 1 dead adult and 1 PC, 2 nd had 3 dead pupae and 2 PC, 3 rd had 1 dead pupae and 4 PC, 4 th had 4 dead pupae, 5 th had 4 dead pupae
PA-21-1715	<i>Erigeron glaucus</i> <i>Picris echioides</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	5-4 to 5-11 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 3 females alive at end of test. CI had 6 galls , 2 dissected 7-22-04: 1 st had 2 dead adults and 1 dead pupa, 2 nd had 1 dead adult, 2 dead pupae and 1 dead larva, 4 dissected 7-29-04: 1 st had dmg, 2 nd had dmg, 3 rd had dmg, 4 th had dmg
PA-24-1715	<i>Artemisia californica</i> <i>Baccharis pilularis</i> <i>Erigeron glaucus</i> <i>Marah fabaceus</i>	5-25 to 6-1 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 2 females alive at end of test. CI had 9 galls , dissected 8-18-04: 1 st had 4 dead adults, 2 nd had 1 dead adult and 2 PC, 3 rd had 1 dead pupa and 3 PC, 4 th had 1 dead pupa and 2 PC, 5 th had 3 PC, 6 th had 3 PC, 7 th had 2 PC, 8 th had 2 PC, 9 th had 2 PC
PA-25-1715	<i>Marah fabaceus</i> <i>Picris echioides</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	6-1 to 6-10 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, no females alive at end of test. CI had 8 galls , 1 dissected 8-3-04: it had dmg, 7 dissected 8-18-04: 1 st had 3 dead adult and 1 dead pupa, 2 nd had 2 dead adults and 5 dead pupae, 3 rd had 1 dead adult and 1 dead pupa, 4 th had 7 dead pupae and 1 PC, 5 th had 3 dead pupae and 3 PC, 6 th had 1 dead pupa and 4 PC, 7 th had 1 dead pupa and 3 PC
PA-26-1715	<i>Clematis</i> <i>linguisticifolia</i> <i>Picris echioides</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	6-1 to 6-9 2004	Cape ivy (Garrapata Ck.)	3 females alive when CI added, 1 female alive at end of test. CI had 2 galls , 1 dissected 8-3-04: it had 2 live larvae, 1 dissected 8-23-04: it had 3 dead pupae and 1 PC

PA-27-1815	<i>Clematis linguisticifolia</i> <i>Marah fabaceus</i> <i>Picris echioides</i> <i>Vitis californica</i>	6-15 to 6-22 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 2 females alive at end of test. CI had 6 galls , dissected 9-7-04: 1 st had 2 dead adults, 2 nd had 1 dead pupa and 4 PC, 3 rd had 1 dead pupa and 3 PC, 4 th had 1 dead pupa and 2 PC, 5 th had 4 PC, 6 th had 3 PC
PA-28-1815	<i>Clematis linguisticifolia</i> [x2] <i>Packera ganderi</i> <i>Vitis californica</i>	6-29 to 7-6 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 4 galls , dissected 9-27-04: 1 st had 2 dead adults and 2 dead pupae, 2 nd had 1 dead adult and 4 dead pupae, 3 rd had 1 dead pupa, 1 live pupa and 3 larvae, 4 th had 2 dead pupae
PA-29-1915	<i>Clematis linguisticifolia</i> <i>Gamochaeta sp.</i> [x2] <i>Pluchea odorata</i>	8-31 to 9-8 2004	nothing (Garrapata Ck.)	2 females alive when CI added, 1 female alive at end of test.
PA-30-2015	<i>Clematis linguisticifolia</i> <i>Gamochaeta sp.</i> [x2] <i>Pluchea odorata</i>	9-27 to 10-5 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 1 female alive at end of test. CI had 1 gall , dissected 12-15-04: it had 3 dead adults and 1 dead larva
PA-31-2015	<i>Clematis linguisticifolia</i> <i>Gamochaeta sp.</i> [x2] <i>Pluchea odorata</i>	9-28 to 10-6 2004	Cape ivy (Garrapata Ck.)	4 females alive when CI added, 2 females alive at end of test. CI had 2 galls , dissected 12-15-04: 1 st had 3 PC, 2 nd had 3 PC
PA-32-2015	<i>Aristolochia californica</i> <i>Clematis linguisticifolia</i> <i>Gamochaeta sp.</i> <i>Pluchea odorata</i>	10-14 to 10-22 2004	nothing (Garrapata Ck.)	3 females alive when CI added, 1 female alive at end of test.
PA-33-2115	<i>Aristolochia californica</i> <i>Artemisia californica</i> <i>Gamochaeta sp.</i> <i>Erigeron glaucus</i>	12-3 to 12-10 2004		3 females alive when CI added, no females alive at end of test.
PA-34-2115	<i>Aristolochia californica</i> <i>Campanula muralis</i> <i>Eriophyllum staechadifolium</i> <i>Gamochaeta sp.</i>	12-14 to 12-22		3 females alive when CI added, no females alive at end of test.

PPRI Pretoria *Parafreutreta regalis* "no-choice/ host added" tests

Test No.	Non-target test plants	Dates	<i>P. regalis</i> developed on	Notes
1,2,3 & 4	<i>Senecio oxyriifolius</i> <i>S. helminthiodes</i> <i>S. brachypodus</i> <i>S. angulatus</i>	07.06 to 07.12 2001	Cape ivy	CI added 07.09 1 st galls 08.26-28 One rep had only 4 galls – was repeated on 09.12.01
5,6,7 & 8	<i>Euryops chrysanthemoides</i> <i>Cineraria saxifraga</i> <i>Cineraria</i> cv. "Butterfly" <i>S. oxyodontus</i>	07.13 to 07.19 2001	Cape ivy	1 st galls 08.01 All 4 CI plants had £ 4 galls/CI plant. All 4 reps were repeated>
9,10,11 & 12	<i>Mikania capensis</i> <i>Cineraria deltoidea</i> <i>Arctotheca calendula</i>	07.24 to 07.30 2001	Cape ivy	1 st galls 08.11-13 ³ 1gall/CI plant
13,14,15 & 16	<i>S. flaccidus</i> <i>Packera bolaneri</i> <i>Ageratina adenophora</i>	07.24 to 07.30 2001	Cape ivy	1 st galls 08.11-13 ³ 1gall/CI plant One rep. was repeated 09.12
17,18,19 & 20	<i>Brassica oleracia</i> <i>Beta vulgaris</i> subsp. <i>cicla</i> <i>Lactuca sativa</i>	08.24 to 08.30 2001	Cape ivy	1 st galls 09.10 ³ 1gall/CI plant
21,22,23 & 24	<i>Sececio unidentified</i> <i>Mikaniopsis cissampelina</i> <i>S. pleistocephalus</i> <i>S. tamoides</i>	09.11 to 09.17 2001	Cape ivy	These 4 reps. were done on a previous occasion – not all CI had 5 galls/plant so it was repeated on this date
25	<i>Senecio oxyriifolius</i> <i>S. helminthiodes</i> <i>S. brachypodus</i> <i>S. angulatus</i>	09.12 to 09.18 2001	Cape ivy	1 st galls 10.24 ³ 1gall/CI plant
26,27,28 & 29	<i>Euryops pectinatus</i> <i>Cineraria saxifraga</i> <i>Cineraria</i> cv. "Butterfly" <i>S. oxyodontus</i>	09.12 to 09.18 2001	Cape ivy	1 st galls 10.24 ³ 1gall/CI plant
30	<i>S. flaccidus</i> <i>Packera bolaneri</i> <i>Ageratina adenophora</i>	09.12 to 09.18 2001	Cape ivy	1 st galls 10.24 ³ 1gall/CI plant
31,32,33 & 34	<i>Euryops chrysanthemoides</i> <i>Raphanus sativus</i> <i>Campuloclinium</i> <i>macrocephalum</i>	09.28 to 10.04 2001	Cape ivy	1 st galls ³ 1gall/CI plant
35,36,37 & 38	<i>Schistostephium</i> cf. <i>heptalobum</i> <i>Zinnia elegans</i> cv. <i>Dahlia pinnata</i> cv.	11.28 to 12.04 2001	Cape ivy	1 st galls 12.18 ³ 1gall/CI plant

39,40,41 & 42	<i>Rudbeckia sp. cv.</i> <i>Tagetes minuta</i> <i>Coreopsis sp. cv.</i>	11.29 to 12.05 2001	Cape ivy	1 st galls 12.19 3 rd 1gall/CI plant
43,44,45 & 46	<i>Ageratina riparia</i> <i>Galinsoga parviflora</i> <i>Helianthus tuberosum</i>	12.06 to 12.12 2001	Cape ivy	3 rd 1gall/CI plant
47	<i>Mikaniopsis cissampelina</i> <i>S. angulatus</i> <i>S. brachypodus</i> <i>S. oxyriifolius</i>	09.11 to 09.16 2002	Cape ivy	1 st galls 10.08 3 rd 1gall/CI plant
48	<i>S. pleistocephalus</i> <i>S. tamoides</i> <i>Arctotheca calendula</i> <i>Coreopsis sp. cv.</i>	09.11 to 09.16 2002	Cape ivy	1 st galls 10.08 3 rd 1gall/CI plant
49	<i>Ageratina adenophora</i> <i>S. helminthoides</i> <i>Campiloclinium macrocephalum</i> <i>Cynara scolymus</i>	09.11 to 09.16 2002	Cape ivy	1 st galls 10.08 3 rd 1gall/CI plant
50	<i>Helianthus annuus cv. 8751</i> <i>H. annuus cv. 3037</i> <i>S. glastifolius</i> <i>S. articulata</i> <i>Euryops pectinatus</i>	09.11 to 09.16 2002	Cape ivy	1 st galls 10.08 3 rd 1gall/CI plant
51	<i>S. deltoideus</i> <i>S. oxyodontus</i> <i>Senecio unidentified</i>	10.04 to 10.10 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
52	<i>Cinneraria deltoidea</i> <i>Cinneraria saxifraga</i> <i>Beta vulgaris</i> <i>Rudbeckia cv.</i>	10.04 to 10.10 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
53	<i>Ageratina riparia</i> <i>Helianthus annuus 3037</i> <i>Chromolaena odorata</i> <i>Helianthus tuberosus</i>	10.04 to 10.10 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
54	<i>Ageratum houstonianum</i> <i>Bidens formosa</i> <i>Mikania capensis</i> <i>Bidens formosa</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
55	<i>Helianthus tuberosus</i> <i>Mikania capensis</i> <i>S. macroglossis</i> <i>Bidens formosa</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
56	<i>Helianthus tuberosus</i> <i>Ageratum houstonianum</i> <i>Zehneria scabra</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant

57	<i>H. tuberosus</i> <i>S. macroglossis</i> <i>Zehneria scabra</i> <i>Ageratum houstonianum</i> <i>Mikania capensis</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
58	<i>Ageratum houstonianum</i> <i>S. macroglossis</i> <i>Zehneria scabra</i> <i>Bidens formosa</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
59	<i>Mikania capensis</i> <i>S. macroglossis</i> <i>Zehneria scabra</i> <i>Bidens formosa</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
60	<i>Ageratum houstonianum</i> <i>Euryops chrysanthomoides</i> <i>H. tuberosus</i> <i>S. articulata</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
61	<i>Zehneria scabra</i> <i>S. macroglossis</i> <i>Mikania capensis</i> <i>Tagetes minuta</i>	11.19 to 11.25 2002	Cape ivy	1 st galls 11.02 3 rd 1gall/CI plant
62	<i>S. deltoidea</i> <i>S. glastifolius</i> <i>S. angulatus</i> <i>Cynara scolymus</i>	08.25 to 09.01 2004	Cape ivy	1 st galls 18.09
63	<i>Brassica oleracia</i> <i>S. glastifolius</i> <i>S. deltoideus</i> <i>S. deltoideus</i>	08.25 to 09.01 2004	Cape ivy	1 st galls 18.09
64	<i>Schistostephium cf.</i> <i>heptalobum</i> <i>Cynara scolymus</i> <i>S. articulata</i> <i>Raphanus sativus</i>	08.25 to 09.01 2004	Cape ivy	1 st galls 18.09
65	<i>S. glastifolius</i> <i>S. articulata</i> <i>Cynara scolymus</i> <i>Cynara scolymus</i> <i>S. articulata</i>	08.25 to 09.01 2004	Cape ivy	1 st galls 18.09
66	<i>Galinsoga parviflora</i> <i>S. glastifolius</i> <i>S. deltoideus</i>	08.25 to 09.01 2004	Cape ivy	1 st galls 18.09

Appendix B. USDA *Digitivalva delaireae* host range tests

(C= choice, NC= no choice, NCHA= no choice/host-added)

Test No.	Test type	Non-target test plants	Dates	<i>Di. delaireae</i> developed on	Notes
DI-1-2001	C	<i>Packera bolanderi</i> <i>Packera macounii</i>	4-23 to 5-2 2001	Cape ivy	1 DI alive at end of test.
DI-2-2001	C	<i>Senecio triangularis</i>	4-24 to 5-7 2001	nothing	1 DI alive at end of test.
DI-3-3001	C	<i>Packera bolanderi</i>	6-14 to 6-21 2001	nothing	no DI alive at end of test.
DI-4-3001	NC	<i>Senecio triangularis</i>	6-15 to 6-22 2001	nothing	4 DI alive when CI added (6-19) 2 DI alive at end of test.
DI-5-3001	NC	<i>Senecio flaccidus</i>	6-18 to 6-25 2001	nothing	5 DI alive when CI added (6-22) 3 DI alive at end of test.
DI-6-3001	NC	<i>Senecio blochmaniae</i>	6-18 to 6-25 2001	Cape ivy	4 DI alive when CI added (6-22) 4 DI alive at end of test.
DI-7-3001	NC	<i>Petasites frigidus</i>	6-18 to 6-25 2001	nothing	4 DI alive when CI added (6-22) 2 DI alive at end of test.
DI-9-3001	NC	<i>Packera macounii</i>	6-20 to 6-28 2001	nothing	5 DI alive when CI added (6-25) 5 DI alive at end of test.
DI-10-1018	NCHA	<i>Euryops subcarnosus</i> <i>Hedera helix</i> <i>Senecio confusus</i> <i>Senecio triangularis</i>	11-13 to 11-26 2001	Cape ivy (Rydin Rd.)	7 DI alive when CI added (11- 16) no DI alive at end of test. 2 & 2 adults emerged from CI
DI-11-1018	NCHA	<i>Euryops pectinatus</i> <i>Euryops subcarnosus</i> <i>Packera macounii</i> <i>Senecio hybridus</i>	11-13 to 11-26 2001	Cape ivy (Rydin Rd.)	7 DI alive when CI added (11- 16) 4 DI alive at end of test. 4 & 3 adults emerged from CI
DI-12-1018	NCHA	<i>Euryops pectinatus</i> <i>Hedera helix</i> <i>Packera bolanderi</i> <i>Senecio confusus</i>	11-14 to 11-26 2001	Cape ivy (Rydin Rd.)	7 DI alive when CI added (11- 20) 2 DI alive at end of test. 2 adults emerged from CI
DI-1-2018	NCHA	<i>Packera macounii</i> <i>Senecio hybridus</i> <i>Senecio jacobaea</i> <i>Senecio triangularis</i>	1-14 to 1-23 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (1-17) 1 DI alive at end of test. 4 + 5 adults emerged from CI
DI-2-2018	NCHA	<i>Packera breweri</i> <i>Packera macounii</i> <i>Senecio jacobaea</i> <i>Senecio triangularis</i>	1-28 to 1-31 2002	nothing (Garrapata Ck.)	5 DI alive when CI added (1-31) 3 DI alive at end of test.

DI-3-2018	NCHA	<i>Packera breweri</i> <i>Senecio confusus</i> <i>Senecio hybridus</i> <i>Senecio jacobaea</i>	2-5 to 2-13 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (2-8) 5 DI alive at end of test. 4 + 6 adults emerged from CI
DI-4-3018	NCHA	<i>Euryops pectinatus</i> <i>Euryops subcarnosus</i> <i>Packera breweri</i> <i>Packera macounii</i>	3-18 to 3-28 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (3-21) 4 DI alive at end of test. 17 + 14 adults emerged from CI
DI-5-3018	NCHA	<i>Hedera canariensis</i> <i>Luina hypoleuca</i> <i>Senecio jacobaea</i> <i>Senecio triangularis</i>	3-22 to 4-1 2002	nothing (Garrapata Ck.)	8 DI alive when CI added (3-26) 1 DI alive at end of test.
DI-6-3018	NCHA	<i>Luina hypoleuca</i> <i>Packera bolanderi</i> <i>Packera breweri</i> <i>Senecio vulgaris</i>	3-25 to 4-3 2002	nothing (Garrapata Ck.)	8 DI alive when CI added (3-29) 2 DI alive at end of test.
DI-7-3018	NCHA	<i>Luina hypoleuca</i> <i>Packera bolanderi</i> <i>Packera ganderi</i> <i>Senecio vulgaris</i>	3-28 to 4-5 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (4-1) 3 DI alive at end of test. 3 + 4 adults emerged from CI
DI-8-3018	NCHA	<i>Luina hypoleuca</i> <i>Senecio blochmaniae</i> <i>Senecio jacobaea</i> <i>Senecio vulgaris</i>	4-4 to 4-12 2002	nothing (Garrapata Ck.)	5 DI alive when CI added (4-8) 3 DI alive at end of test.
DI-9-3018	NCHA	<i>Luina hypoleuca</i> <i>Petasites frigidus</i> <i>Senecio blochmaniae</i> <i>Senecio jacobaea</i>	4-5 to 4-16 2002	nothing (Garrapata Ck.)	7 DI alive when CI added (4-9) 1 DI alive at end of test.
DI-10-3018	NCHA	<i>Carthamus tinctorius</i> <i>Erechtites glomerata</i> <i>Hedera canariensis</i> <i>Packera bolanderi</i>	5-13 to 5-21 2002	Cape ivy (Garrapata Ck.)	6 DI alive when CI added (5-16) 1 DI alive at end of test. 2 + 2 adults emerged from CI
DI-11-4018	NCHA	<i>Carthamus tinctorius</i> <i>Erechtites glomerata</i> <i>Hedera canariensis</i> <i>Packera bolanderi</i>	5-13 to 5-21 2002	nothing (Garrapata Ck.)	6 DI alive when CI added (5-16) 1 DI alive at end of test.
DI-12-4018	NCHA	<i>Carthamus tinctorius</i> <i>Packera macounii</i> <i>Senecio blochmaniae</i> <i>Senecio triangularis</i>	5-14 to 5-22 2002	nothing (Garrapata Ck.)	7 DI alive when CI added (5-17) 1 DI alive at end of test.

DI-13-4018 NCHA	<i>Carthamus tinctorius</i> <i>Euryops pectinatus</i> <i>Hedera helix</i> <i>Senecio blochmaniae</i>	5-21 to 5-28 2002	nothing	* CI not added to test 1 DI alive at end of test.
DI-14-4018 NCHA	<i>Carthamus tinctorius</i> <i>Erechtites glomerata</i> <i>Hedera canariensis</i> <i>Tagetes sp.</i>	5-21 to 5-29 2002	nothing (Garrapata Ck.)	6 DI alive when CI added (5-24) 1 DI alive at end of test.
DI-15-4018 NCHA	<i>Erechtites glomerata</i> <i>Hedera helix</i> <i>Senecio blochmaniae</i> <i>Tagetes sp.</i>	5-24 to 6-4 2002	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (5-28) 1 DI alive at end of test. 6 + 5 adults emerged from CI
DI-16-4018 NCHA	<i>Euryops pectinatus</i> <i>Euryops subcarnosus</i> <i>Senecio triangularis</i> <i>Tagetes sp.</i>	5-24 to 6-3 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (5-28) 2 DI alive at end of test. 5 & 7 adults emerged from CI
DI-17-4018 NCHA	<i>Carthamus tinctorius</i> <i>Hedera helix</i> <i>Senecio blochmaniae</i> <i>Tagetes sp.</i>	6-4 to 6-10 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (6-7) no DI alive at end of test. 1 adult emerged from CI
DI-18-4018 NCHA	<i>Euryops pectinatus</i> <i>Euryops subcarnosus</i> <i>Petasites frigidus</i> <i>Senecio flaccidus</i>	6-10 to 6-17 2002	nothing (Garrapata Ck.)	7 DI alive when CI added (6-13) no DI alive at end of test.
DI-19-5018 NCHA	<i>Adenocaulon bicolor</i> <i>Hedera helix</i> <i>Packera breweri</i> <i>Senecio confusus</i>	7-9 to 7-17 2002	Cape ivy (Garrapata Ck.)	6 DI alive when CI added (7-12) 1 DI alive at end of test. 1 & 1 adults emerged from CI
DI-20-5018 NCHA	<i>Hedera helix</i> <i>Packera breweri</i> <i>Petasites frigidus</i> <i>Senecio flaccidus</i>	7-23 to 8-5 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (7-26) 1 DI alive at end of test. 2 adults emerged from CI
DI-21-5018 NCHA	<i>Adenocaulon bicolor</i> <i>Packera breweri</i> <i>Petasites frigidus</i> <i>Senecio flaccidus</i>	7-23 to 7-31 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (7-26) 1 DI alive at end of test. 1 & 2 adults emerged from CI
DI-22-5018 NCHA	<i>Adenocaulon bicolor</i> <i>Hedera helix</i> <i>Packera breweri</i> <i>Senecio flaccidus</i>	7-29 to 8-7 2002	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (8-1) 1 DI alive at end of test. 2 & 5 adults emerged from CI

DI-23-6018 NCHA	<i>Carthamus tinctorius</i> <i>Euryops pectinatus</i> <i>Senecio hybridus</i> <i>Senecio vulgaris</i>	9-3 to 9-11 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (9-6) no DI alive at end of test. 1 , 1 , and 2 unsexed adults emerged from CI
DI-24-6018 NCHA	<i>Carthamus tinctorius</i> <i>Euryops subcarnosus</i> <i>Senecio flaccidus</i> <i>Senecio hybridus</i>	9-16 to 9-25 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (9-19) no DI alive at end of test. 1 & 3 adults emerged from CI
DI-25-6018 NCHA	<i>Hedera canariensis</i> <i>Packera bolanderi</i> <i>Senecio flaccidus</i> <i>Senecio vulgaris</i>	9-17 to 9-25 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (9-20) no DI alive at end of test. 7 & 3 adults emerged from CI
DI-26-6018 NCHA	<i>Packera bolanderi</i> <i>Packera macounii</i> <i>Senecio triangularis</i> <i>Senecio vulgaris</i>	9-23 to 10-1 2002	nothing (Garrapata Ck.)	8 DI alive when CI added (9-26) no DI alive at end of test.
DI-27-6018 NCHA	<i>Adenocaulon bicolor</i> <i>Packera macounii</i> <i>Senecio triangularis</i> <i>Senecio vulgaris</i>	9-26 to 10-7 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (9-30) 1 DI alive at end of test. no adults emerged from CI
DI-28-6018 NCHA	<i>Luina hypoleuca</i> <i>Packera macounii</i> <i>Senecio blochmaniae</i> <i>Senecio vulgaris</i>	9-20 to 10-8 2002	Cape ivy (Hawaii)	8 DI alive when CI added (10-3) no DI alive at end of test. 1 adult emerged from CI
DI-29-6018 NCHA	<i>Adenocaulon bicolor</i> <i>Hedera canariensis</i> <i>Petasites frigidus</i> <i>Senecio blochmaniae</i>	10-1 to 10-7 2002	nothing (South Africa)	4 DI alive when CI added (10-4) no DI alive at end of test.
DI-30-7018 NCHA	<i>Carthamus tinctorius</i> <i>Petasites frigidus</i> <i>Senecio blochmaniae</i> <i>Senecio confusus</i>	10-28 to 11-5 2002	Cape ivy (Garrapata Ck.)	* test started with 5 & 3 8 DI alive when CI added (10- 31) 2 DI alive at end of test. 3 & 4 adults emerged from CI
DI-31-7018 NCHA	<i>Packera bolanderi</i> <i>Petasites frigidus</i> <i>Senecio jacobaea</i> <i>Tagetes sp.</i>	10-29 to 11-7 2002	nothing (Garrapata Ck.)	8 DI alive when CI added (11-1) 2 DI alive at end of test.
DI-32-7018 NCHA	<i>Adenocaulon bicolor</i> <i>Petasites frigidus</i> <i>Senecio blochmaniae</i> <i>Tagetes sp.</i>	10-31 to 11-13 2002	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (11-4) 2 DI alive at end of test. 6 & 8 adults emerged from CI

DI-33-7018 NCHA	<i>Erechtites glomerata</i> <i>Hedera canariensis</i> <i>Senecio jacobaea</i> <i>Senecio triangularis</i>	11-4 to 11-13 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (11-7) 2 DI alive at end of test. 8 & 8 adults emerged from CI
DI-34-7018 NCHA	<i>Erechtites glomerata</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Senecio jacobaea</i> <i>Symphyotrichum</i> <i>chilense</i>	11-5 to 11-13 2002	nothing (Garrapata Ck.)	7 DI alive when CI added (11-8) 1 DI alive at end of test.
DI-35-7018 NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Erechtites glomerata</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Symphyotrichum</i> <i>chilense</i>	11-8 to 11-18 2002	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (11- 12) 1 DI alive at end of test. 8 & 6? adults emerged from CI
DI-36-7018 NCHA	<i>Carthamus tinctorius</i> <i>Petasites frigidus</i> <i>Senecio confusus</i> <i>Symphyotrichum</i> <i>chilense</i>	11-13 to 11-19 2002	nothing (Garrapata Ck.)	7 DI alive when CI added (11- 16) no DI alive at end of test.
DI-37-7018 NCHA	<i>Eriophyllum</i> <i>staechadifolium</i> <i>Petasites frigidus</i> <i>Packera bolanderi</i> <i>Symphyotrichum</i> <i>chilense</i>	11-13 to 11-20 2002	nothing (Garrapata Ck.)	8 DI alive when CI added (11- 16) no DI alive at end of test.
DI-38-7018 NCHA	<i>Erechtites glomerata</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Symphyotrichum</i> <i>chilense</i> <i>Tagetes sp.</i>	11-13 to 11-21 2002	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (11- 16) 1 DI alive at end of test. 9 & 11 adults emerged from CI
DI-39-7018 NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Erechtites glomerata</i> <i>Hedera canariensis</i> <i>Senecio triangularis</i>	11-19 to 11-26 2002	Cape ivy (Rydin Rd.)	7 DI alive when CI added (11- 22) 1 DI alive at end of test. 8 & 4 adults emerged from CI

DI-40-7018	NCHA	<i>Anaphalis margaritacea</i> <i>Eriophyllum staechadifolium</i> <i>Lepidospartum latisquamum</i> <i>Senecio jacobaea</i>	11-21 to 11-29 2002	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (11-25) no DI alive at end of test. 1 & 1 adults emerged from CI
DI-41-7018	NCHA	<i>Anaphalis margaritacea</i> <i>Eriophyllum staechadifolium</i> <i>Lepidospartum latisquamum</i> <i>Senecio jacobaea</i>	11-21 to 11-29 2002	nothing (Garrapata Ck.)	5 DI alive when CI added (11-25) no DI alive at end of test.
DI-42-8018	NCHA	<i>Eriophyllum staechadifolium</i> <i>Lepidospartum latisquamum</i> <i>Senecio jacobaea</i> <i>Symphyotrichum chilense</i>	12-23 to 12-30 2002	nothing (Garrapata Ck.)	7 DI alive when CI added (12-26) no DI alive at end of test.
DI-43-8018	NCHA	<i>Lepidospartum latisquamum</i> <i>Senecio jacobaea</i> <i>Symphyotrichum chilense</i> <i>Vernonia missurica</i>	12-23 to 12-30 2002	nothing (Garrapata Ck.)	6 DI alive when CI added (12-26) 1 DI alive at end of test.
DI-1-8018	NCHA	<i>Calendula officinalis</i> <i>Eriophyllum staechadifolium</i> <i>Senecio jacobaea</i> <i>Symphyotrichum chilense</i>	1-10 to 1-21 2003	nothing (Garrapata Ck.)	8 DI alive when CI added (1-13) no DI alive at end of test.
DI-2-8018	NCHA	<i>Calendula officinalis</i> <i>Lepidospartum latisquamum</i> <i>Senecio jacobaea</i> <i>Symphyotrichum chilense</i>	1-10 to 1-21 2003	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (1-13) no DI alive at end of test. 8 & 14 adults emerged from CI

DI-3-9018	NCHA	<i>Calendula officinalis</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i>	2-14 to 2-21 2003	nothing (Garrapata Ck.)	8 DI alive when CI added (2-18) no DI alive at end of test.
DI-4-9018	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Calendula officinalis</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i>	2-20 to 2-28 2003	nothing (Garrapata Ck.)	4 DI alive when CI added (2-24) 1 DI alive at end of test.
DI-5-9018	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Calendula officinalis</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Lepidospartum</i> <i>latisquamum</i>	2-25 to 3-4 2003	nothing (Garrapata Ck.)	7 DI alive when CI added (2-28) no DI alive at end of test.
DI-6-1018	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Calendula officinalis</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Symphyotrichum</i> <i>chilense</i>	4-4 to 4-14 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (4-7) no DI alive at end of test. no emergence, but there was DI dmg on CI
DI-7-1018	NCHA	<i>Calendula officinalis</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i>	4-11 to 4-18 2003	nothing (Garrapata Ck.)	5 DI alive when CI added (4-14) no DI alive at end of test
DI-8-1018	NCHA	<i>Blennosperma</i> <i>nanum</i> <i>Calendula officinalis</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Vernonia missurica</i>	4-15 to 4-21 2003	nothing (Garrapata Ck.)	4 DI alive when CI added (4-18) no DI alive at end of test

DI-9-1018	NCHA	<i>Calendula officinalis</i> <i>Eriophyllum</i> <i>staechadifolium</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Symphyotrichum</i> <i>chilense</i>	4-22 to 4-29 2003	nothing (Garrapata Ck.)	8 DI alive when CI added (4-25) 1 DI alive at end of test
DI-10-1118	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Calendula officinalis</i> <i>Fragaria chiloensis</i> <i>Lepidospartum</i> <i>latisquamum</i>	6-3 to 6-16 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (6-6) 1 DI alive at end of test 13 & 10 adults emerged from CI
DI-11-1118	NCHA	<i>Calendula officinalis</i> <i>Fragaria chiloensis</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Vernonia missurica</i>	6-3 to 6-11 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (6-6) 1 DI alive at end of test no emergence, but there was DI dmg on CI
DI-12-1118	NCHA	<i>Calendula officinalis</i> <i>Fragaria chiloensis</i> <i>Grindelia sp.</i> <i>Vernonia missurica</i>	6-6 to 6-16 2003	Cape ivy (Garrapata Ck.)	7 DI alive when CI added (6-6) 1 DI alive at end of test 1 adult emerged from CI
DI-13-1118	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Fragaria chiloensis</i> <i>Grindelia stricta</i> <i>Vitis californica</i>	6-10 to 6-16 2003	nothing (Garrapata Ck.)	8 DI alive when CI added (6-13) no DI alive at end of test
DI-14-1118	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Fragaria chiloensis</i> <i>Grindelia stricta</i> <i>Vitis californica</i>	6-13 to 6-23 2003	nothing (Garrapata Ck.)	7 DI alive when CI added (6-16) no DI alive at end of test
DI-15-1118	NCHA	<i>Anaphalis</i> <i>margaritacea</i> <i>Fragaria chiloensis</i> <i>Grindelia stricta</i> <i>Luina hypoleuca</i>	6-16 to 6-26 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added (6-19) no DI alive at end of test 13 & 8 adults emerged from CI
DI-16-1118	NCHA	<i>Fragaria chiloensis</i> <i>Grindelia sp.</i> <i>Luina hypoleuca</i> <i>Vitis californica</i>	6-16 to 6-25 2003	nothing (Garrapata Ck.)	6 DI alive when CI added (6-19) no DI alive at end of test

DI-17-1118 NCHA	<i>Eriophyllum staechadifolium Grindelia sp. Luina hypoleuca Symphyotrichum chilense</i>	6-17 to 6-24 2003	nothing (Garrapata Ck.)	8 DI alive when CI added (6-10) no DI alive at end of test
DI-18-1118 NCHA	<i>Eriophyllum staechadifolium Grindelia sp. Lepidospartum latisquamum Symphyotrichum chilense</i>	6-24 to 6-30 2003	nothing (Garrapata Ck.)	7 DI alive when CI added (6-27) no DI alive at end of test
DI-19-1218 NCHA	<i>Fragaria chiloensis Leipidospartum latisquamum Luina hypoleuca Symphyotrichum chilense</i>	7-28 to 8-5 2003	nothing (Garrapata Ck.)	8 DI alive when CI added (7-31) 2 DI alive at end of test
DI-20-1218 NCHA	<i>Fragaria chiloensis Grindelia sp. Luina hypoleuca Vernonia missurica</i>	7-29 to 8-5 2003	Cape ivy (Garrapata Ck.)	*test started with 4 & 3 6 DI alive when CI added 1 DI alive at end of test 7 & 10 adults emerged from CI
DI-21-1318 NCHA	<i>Eriophyllum staechadifolium Fragaria chiloensis Luina hypoleuca Symphyotrichum chilense</i>	9-26 to 10-6 2003	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test 9 & 9 adults emerged from CI
DI-22-1318 NCHA	<i>Calendula officinalis Grindelia sp. Lepidospartum latisquamum Vernonia missurica</i>	9-30 to 10-10 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added no DI alive at end of test 12 & 9 adults emerged from CI
DI-23-1418 NCHA	<i>Campanula muralis Grindelia sp. Lepidospartum latisquamum Marah fabaceus</i>	11-21 to 12-1 2003	Cape ivy (Garrapata Ck.)	7 DI alive when CI added no DI alive at end of test 10 & 13 adults emerged from CI adult emerged from CI

DI-24-1418	NCHA	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Marah fabaceus</i>	11-24 to 12-1 2003	Cape ivy (Garrapata Ck.)	7 DI alive when CI added no DI alive at end of test 1 adult emerged from CI
DI-25-1418	NCHA	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Lepidospartum</i> <i>latisquamum</i> <i>Marah fabaceus</i>	11-25 to 12-3 2003	Cape ivy (Garrapata Ck.)	7 DI alive when CI added no DI alive at end of test 11 & 15 adults emerged from CI
DI-26-1418	NCHA	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Grindelia sp.</i> <i>Lepidospartum</i> <i>latisquamum</i>	12-2 to 12-11 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added 6 DI alive at end of test 8 & 16 adults emerged from CI
DI-27-1418	NCHA	<i>Campanula muralis</i> <i>Clematis sp.</i> <i>Erigeron glaucus</i> <i>Lepidium latifolium</i>	12-12 to 12-19 2003	nothing (Garrapata Ck.)	6 DI alive when CI added 2 DI alive at end of test
DI-28-1418	NCHA	<i>Baccharis pilularis</i> <i>Campanula muralis</i> <i>Erigeron glaucus</i> <i>Lepidium latifolium</i>	12-12 to 12-19 2003	Cape ivy (Garrapata Ck.)	6 DI alive when CI added no DI alive at end of test 26 & 19 adults emerged from CI
DI-29-1418	NCHA	<i>Achillea millefolium</i> <i>Campanula muralis</i> <i>Erigeron glaucus</i> <i>Lepidium latifolium</i>	12-16 to 12-23 2003	Cape ivy (Garrapata Ck.)	8 DI alive when CI added 4 DI alive at end of test 5 & 10 adults emerged from CI, and counting
DI-1-1518	NCHA	<i>Achillea millefolium</i> <i>Lobelia erinus</i> <i>Madia elegans</i> <i>Packera ganderi</i>	1-20 to 1-27 2004	nothing (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test
DI-2-1518	NCHA	<i>Lepidium latifolium</i> <i>Lobelia erinus</i> <i>Madia elegans</i> <i>Packera ganderi</i>	1-20 to 1-27 2004	nothing (Garrapata Ck.)	6 DI alive when CI added no DI alive at end of test
DI-3-1518	NCHA	<i>Achillea millefolium</i> <i>Lobelia erinus</i> <i>Madia elegans</i> <i>Packera ganderi</i>	1-20 to 1-27 2004	nothing (Garrapata Ck.)	3 DI alive when CI added 1 DI alive at end of test
DI-4-1518	NCHA	<i>Blennosperma nanum</i> <i>Cichorium intybus</i> <i>Lobelia erinus</i> <i>Madia elegans</i>	1-27 to 2-3 2004	Cape ivy (Garrapata Ck.)	8 DI alive when CI added 1 DI alive at end of test 1 adult emerged from CI

DI-5-1518	NCHA	<i>Blennosperma nanum</i> <i>Cichorium intybus</i> <i>Lobelia erinus</i> <i>Madia elegans</i>	1-27 to 2-6 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 2 DI alive at end of test 3 & 6 adults emerged from CI
DI-6-1518	NCHA	<i>Blennosperma nanum</i> <i>Cichorium intybus</i> <i>Erigeron glaucus</i> <i>Senecio ganderi</i>	1-27 to 2-5 2004	nothing (Garrapata Ck.)	8 DI alive when CI added no DI alive at end of test
DI-7-1518	NCHA	<i>Blennosperma nanum</i> <i>Cichorium intybus</i> <i>Erigeron glaucus</i> <i>Marah fabaceus</i>	2-3 to 2-10 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test 5 & 3 adults emerged from CI
DI-8-1518	NCHA	<i>Achillea millefolium</i> <i>Blennosperma nanum</i> <i>Cichorium intybus</i> <i>Clematis</i> <i>linguisticifolium</i>	2-6 to 2-13 2004	nothing (Garrapata Ck.)	4 DI alive when CI added 1 DI alive at end of test
DI-9-1518	NCHA	<i>Achillea millefolium</i> <i>Blennosperma nanum</i> <i>Lobelia erinus</i> <i>Madia elegans</i>	2-17 to 2-24 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test 12 , 12 , & 1 unsexed adult emerged from CI
DI-10-1518	NCHA	<i>Achillea millefolium</i> <i>Blennosperma nanum</i> <i>Cichorium intybus</i> <i>Lepidium latifolium</i>	2-24 to 3-2 2004	nothing (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test
DI-11-1518	NCHA	<i>Achillea millefolium</i> <i>Blennosperma nanum</i> <i>Lobelia erinus</i> <i>Madia elegans</i>	3-2 to 3-9 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test 8 & 13 adults emerged from CI
DI-12-1618	NCHA	<i>Achillea millefolium</i> <i>Blennosperma nanum</i> <i>Lepidium latifolium</i> <i>Madia elegans</i>	3-15 to 3-23 2004	nothing (Garrapata Ck.)	5 DI alive when CI added 1 DI alive at end of test
DI-13-1618	NCHA	<i>Cichorium intybus</i> <i>Lobelia erinus</i> <i>Madia elegans</i> <i>Picris echioides</i>	3-16 to 3-23 2004	nothing (Garrapata Ck.)	4 DI alive when CI added 2 DI alive at end of test
DI-14-1618	NCHA	<i>Artemisia californica</i> <i>Cichorium intybus</i> <i>Lobelia erinus</i> <i>Picris echioides</i>	3-23 to 3-30 2004	Cape ivy (Garrapata Ck.)	8 DI alive when CI added 2 DI alive at end of test 5 & 2 adults emerged from CI

DI-15-1618 NCHA	<i>Artemisia californica</i> <i>Cichorium intybus</i> <i>Lobelia erinus</i> <i>Picris echioides</i>	3-23 to 3-30 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 2 DI alive at end of test 5 & 5 adults emerged from CI
DI-16-1618 NCHA	<i>Baccharis pilularis</i> <i>Cichorium intybus</i> <i>Marah fabaceus</i> <i>Picris echioides</i>	3-30 to 4-6 2004	nothing (Garrapata Ck.)	6 DI alive when CI added 2 DI alive at end of test
DI-17-1618 NCHA	<i>Artemisia californica</i> <i>Erigeron glaucus</i> <i>Marah fabaceus</i> <i>Picris echioides</i>	4-16 to 4-23 2004	Cape ivy (Garrapata Ck.)	6 DI alive when CI added no DI alive at end of test no emergence from CI (only development)
DI-18-1618 NCHA	<i>Artemisia californica</i> <i>Erigeron glaucus</i> <i>Marah fabaceus</i> <i>Picris echioides</i>	4-20 to 4-27 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test 3 & 11 adults emerged from CI
DI-19-1618 NCHA	<i>Artemisia californica</i> <i>Erigeron glaucus</i> <i>Marah fabaceus</i> <i>Vernonia missurica</i>	4-23 to 5-3 2004	Cape ivy (Garrapata Ck.)	8 DI alive when CI added 4 DI alive at end of test 1 adult emerged from CI
DI-20-1718 NCHA	<i>Artemisia californica</i> <i>Madia elegans</i> <i>Picris echioides</i> <i>Vernonia missurica</i>	5-11 to 5-18 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added 2 DI alive at end of test 4 & 4 adults emerged from CI
DI-21-1718 NCHA	<i>Clematis</i> <i>linguisticifolia</i> <i>Madia elegans</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	5-18 to 5-25 2004	nothing (Garrapata Ck.)	5 DI alive when CI added 1 DI alive at end of test
DI-22-1718 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	5-25 to 6-1 2004	nothing (Garrapata Ck.)	6 DI alive when CI added no DI alive at end of test
DI-23-1718 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	5-25 to 6-1 2004	nothing (Garrapata Ck.)	6 DI alive when CI added 1 DI alive at end of test
DI-24-1718 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	6-7 to 6-14 2004	nothing (Garrapata Ck.)	6 DI alive when CI added no DI alive at end of test

DI-25-1718 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	6-15 to 6-22 2004	nothing (Garrapata Ck.)	7 DI alive when CI added 1 DI alive at end of test
DI-26-1718 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	6-15 to 6-21 2004	nothing (Garrapata Ck.)	5 DI alive when CI added no DI alive at end of test
DI-27-1818 NCHA	<i>Baccharis</i> <i>pilularis</i> [x2] <i>Clematis</i> <i>linguisticifolia</i> <i>Vitis californica</i>	7-5 to 7-16 2004	nothing (Garrapata Ck.)	3 DI alive when CI added no DI alive at end of test
DI-28-1818 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Gamochaeta sp.</i> <i>Vitis californica</i>	8-2 to 8-9 2004	nothing (Garrapata Ck.)	7 DI alive when CI added no DI alive at end of test
DI-29-1918 NCHA	<i>Baccharis pilularis</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Gamochaeta sp.</i> <i>Packeria ganderi</i>	8-9 to 8-17 2004	nothing (Garrapata Ck.)	4 DI alive when CI added 1 DI alive at end of test
DI-30-2018 NCHA	<i>Baccharis pilularis</i> <i>Gamochaeta sp.</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	11-5 to 11-12 2004	nothing (Garrapata Ck.)	7 DI alive when CI added 3 DI alive at end of test
DI-31-2018 NCHA	<i>Aristolochia</i> <i>californica</i> <i>Gamochaeta sp.</i> <i>Pluchea odorata</i> <i>Vitis californica</i>	11-15 to 11-22 2004	nothing (Garrapata Ck.)	8 DI alive when CI added no DI alive at end of test
DI-32-2018 NCHA	<i>Aristolochia</i> <i>californica</i> <i>Clematis</i> <i>linguisticifolia</i> <i>Gamochaeta sp.</i> <i>Vitis californica</i>	11-15 to 11-22 2004	Cape ivy (Garrapata Ck.)	8 DI alive when CI added no DI alive at end of test 1 adult emerged from CI, and counting

DI-33-2018 NCHA	<i>Aristolochia californica</i> <i>Baccharis pilularis</i> <i>Clematis linguistifolia</i> <i>Vitis californica</i>	11-22 to 12-1 2004		8 DI alive when CI added no DI alive at end of test
DI-34-2018 NCHA	<i>Aristolochia californica</i> <i>Baccharis pilularis</i> <i>Clematis linguistifolia</i> <i>Vitis californica</i>	11-22 to 12-1 2004		7 DI alive when CI added no DI alive at end of test
DI-35-2118 NCHA	<i>Aristolochia californica</i> <i>Baccharis pilularis</i> <i>Clematis linguistifolia</i> <i>Vitis californica</i>	12-17 to 12-27 2004	Cape ivy (Garrapata Ck.)	7 DI alive when CI added no DI alive at end of test

PPRI Pretoria *Digitivalva delaireae* host range tests

Test No.	Non-target test plants	Dates	<i>D. delaireae</i> developed on	Notes
1	<i>Euryops chrysanthemoides</i> <i>Mikania capensis</i> <i>S. flaccidus</i>	08.12 to 08.18 2002	Cape ivy	1 st mines 08.31 – 09.02
2	<i>Mikaniopsis cissampelina</i> <i>Cineraria saxifraga</i> <i>S. oxyodontus</i> <i>S. angulatus</i>	08.12 to 08.18 2002	Cape ivy	1 st mines 08.31 – 09.02 mines on <i>S. oxyodontus</i>
3	<i>S. pleistocephalus</i> <i>S. oxyodontus</i> <i>S. pleistocephalus</i>	08.12 to 08.18 2002	Cape ivy	1 st mines 08.31 – 09.02 Mines on single leaf of <i>S. angul.</i>
4	<i>S. pleistocephalus</i> <i>Euryops chrysanthemoides</i> <i>Arctoteca calendula</i>	08.14 to 08.20 2002	Cape ivy	1 st mines 08.31 – 09.02 mines on <i>S. pleistocephalus</i>
5	<i>S. pleitocephalus</i> <i>S. oxyocontus</i> <i>S. tamoides</i>	08.14 to 08.20 2002	Cape ivy	1 st mines 08.31 – 09.02 Mines on single leaf of <i>S. tam.</i> and <i>S. pleistocephalus</i>
6	<i>Senecio sp.</i> unidentified <i>S. angulatus</i> <i>S. tamoides</i>	08.14 to 08.20 2002	Cape ivy	1 st mines 08.31 – 09.02
7	<i>S. pleistocephalus</i> <i>Cineraria saxifraga</i> <i>Mikaniopsis cissampelina</i>	08.14 to 08.20 2002	Cape ivy	1 st mines 08.31 – 09.02 mines on <i>S. pleistocephalus</i>

8	<i>S. tamoides</i> <i>Cineraria saxifraga</i> <i>C. deltoidea</i>	08.16 to 08.22 2002	Cape ivy	1 st mines 08.31 – 09.02
9	<i>S. tamoides</i> <i>S. angulatus</i> <i>S. deltoideus</i> <i>S. oxyodontus</i>	08.16 to 08.22 2002	Cape ivy	1 st mines 08.31 – 09.02
10	<i>S. angulatus</i> <i>Mikaniopsis cissampelina</i> <i>Cineraria saxifraga</i> <i>Rudbeckia</i> sp. cv <i>Euryops pectinatus</i>	Oct. 2002	Cape ivy	
11	<i>Ageratina riparia</i> <i>Campuloclinium</i> <i>macrocephalum</i> <i>Senecio</i> unidentified	Oct. 2002	Cape ivy	
12	<i>S. oxyodontus</i> <i>Beta vulgaris</i> subsp. <i>cicla</i> <i>Cineraria deltoidea</i>	Oct. 2002	Cape ivy	
13	<i>C. saxifraga</i> <i>S. deltoidea</i> <i>Euryops chrysanthemoides</i>	Oct. 2002	Cape ivy	
14	<i>S. pleistocephalus</i> <i>S. tamoides</i> <i>Arctoteca calendula</i> <i>Mikaniopsis cissampelina</i>	Oct. 2002	Cape ivy	mines on <i>S. brachypodus</i>
15	<i>S. brachypodus</i> <i>S. angulatus</i> <i>S. oxyriifolius</i> <i>Chromolaena odorata</i>	Oct. 2002	Cape ivy	
16	<i>Schistostephium</i> cf. <i>heptalobum</i> <i>H. annuus</i> cv. 3037 <i>S. oxyodontus</i>	Oct. 2002	Cape ivy	
17	<i>S. angulatus</i> <i>Mikaniopsis cissampelina</i> <i>C. saxifraga</i> <i>Senecio</i> unidentified	Oct. 2002	none	none
18	<i>S. oxyodontus</i> <i>Beta vulgaris</i> subsp. <i>cila</i> <i>S. helminthoides</i>	Oct. 2002	none	none
19	<i>Cynara scolymus</i> <i>Arctoteca calendula</i>	Oct. 2002	none	none
20	<i>Helianthus tuberosus</i> <i>Ageratum houstonianum</i> <i>Bidens Formosa</i> <i>Mikania capensis</i>	11.27 to 12.03 2002	Cape ivy	1 st mines Xmas recess

21	<i>S. macroglossis</i> <i>H. tuberosus</i> <i>Bidens Formosa</i> <i>Mikania capensis</i>	11.27 to 12.03 2002	none	none
22	<i>H. tuberosus</i> <i>Bidens Formosa</i> <i>Ageratum houstonianum</i> <i>Zehneria scabra</i> <i>Zehneria scabra</i>	11.27 to 12.03 2002	none	none
23	<i>Helianthus tuberosus</i> <i>Ageratum houstonianum</i> <i>S. macroglossis</i> <i>Ageratum houstonianum</i>	12.04 to 12.10 2002	Cape ivy	1 st mines Xmas recess Mines on <i>S. macroglossis</i>
24	<i>Zehneria scabra</i> <i>Mikania capensis</i> <i>S. macroglossis</i> <i>Bidens Formosa</i>	12.04 to 12.10 2002	Cape ivy	1 st mines Xmas recess Mines on <i>S. macroglossis</i>
25	<i>Zehneria scabra</i> <i>S. macroglossis</i> <i>Mikania capensis</i> <i>Brassica oleracea</i>	12.04 to 12.10 2002	Cape ivy	1 st mines Xmas recess
26	<i>Zehneria scabra</i> <i>S. helminthiodes</i> <i>S. macroglossis</i>	05.07 to 05.13 2003	Cape ivy	1 st mines 06.09
27	<i>Mikaniopsis cissampelina</i> <i>Schistostephium cf. heptalobum</i> <i>Senecio unidentified</i>	05.07 to 05.13 2003	Cape ivy	1 st mines 06.02
28	<i>Ageratina adenophora</i> <i>S. macroglossis</i> <i>Schistostephium cf. haptalobum</i> <i>Ageratina adenophora</i>	05.07 to 05.13 2003	none	none
29	<i>Senecio unidentified</i> <i>S. brachypodus</i> <i>Bellis sp.</i> <i>S. brachypodus</i>	05.07 to 05.13 2003	none	none
30	<i>S. articulatus</i> <i>Ageratina adenophora</i> <i>Senecio unidentified</i>	05.08 to 05.14 2003	Cape ivy	1 st mines 06.03
31	<i>Brassica oleracea</i> <i>S. brachypodus</i> <i>S. helminthiodes</i>	05.08 to 05.14 2003	Cape ivy	1 st mines 06.06
32	<i>Bellis sp.</i> <i>Euryops pectinatus</i> <i>Senecio unidentified</i>	05.08 to 05.14 2003	Cape ivy	1 st mines 06.09
33	<i>Ageratina adenophora</i> <i>Bellis sp.</i> <i>Euryops chrysanthemoides</i> <i>Euryops pectinatus</i>	05.08 to 05.14 2003	none	none

34	<i>Arctoteca calendula</i> <i>S. articulatus</i> <i>Bellis sp.</i>	05.17 to 05.23 2003	Cape ivy	1 st mines 06.10
35	<i>Arctoteca calendula</i> <i>Bellis sp.</i> <i>Euryops chrysanthemoides</i> <i>Cineraria sp. "butterfly" cv.</i>	05.17 to 05.23 2003	Cape ivy	1 st mines 06.09
36	<i>S. articulatus</i> <i>S. oxyriifolius</i> <i>Ageratum houstonianum</i> <i>Senecio unidentified</i>	07.28 to 08.03 2003	Cape ivy	1 st mines 08.19
37	<i>S. macroglossis</i> <i>S. articulatus</i> <i>Cineraria sp. "butterfly" cv.</i> <i>Ageratum houstonianum</i>	07.28 to 08.03 2003	Cape ivy	1 st mines 08.18
38	<i>Schistostephium cf. heptalobum</i> <i>Senecio unidentified</i> <i>Brassica oleracea</i> <i>Brassica oleracea</i>	07.28 to 08.03 2003	Cape ivy	1 st mines 08.19
39	<i>S. articulatus</i> <i>Bellis sp.</i> <i>Cineraria sp. "butterfly" cv.</i> <i>S. helminthiodes</i>	07.29 to 08.04 2003	Cape ivy	1 st mines 08.19
40	<i>Cineraria sp. "butterfly" cv.</i> <i>Beta vulgaris subsp. cicla</i> <i>S. oxyriifolius</i> <i>Schistostephium cf. heptalobum</i>	07.29 to 08.04 2003	Cape ivy	1 st mines 08.18
41	<i>S. helminthiodes</i> <i>Bellis sp.</i> <i>Beta vulgaris subsp. cicla</i> <i>Beta vulgaris subsp. cicla</i>	07.29 to 08.04 2003	Cape ivy	1 st mines 08.18
42	<i>Zehneria scabra</i> <i>Euryops chrysanthemoides</i> <i>Cineraria sp. "butterfly" cv.</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.23-24
43	<i>Arctoteca calendula</i> <i>Brassica oleracea (x2)</i> <i>S. articulatus</i> <i>Ageratina riparia</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.19
44	<i>S. brachypodus</i> <i>Ageratina adenophora</i> <i>Schistostephium cf. heptalobum</i> <i>Schistostephium cf. heptalobum</i>	07.30 to 08.05 2003	none	none
45	<i>Arctoteca calendula</i> <i>Ageratina riparia</i> <i>Ageratina adenophora</i> <i>Rudbeckia sp. cv.</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.26
46	<i>Euryops pectinatus</i> <i>Ageratina adenophora</i> <i>S. serataloides</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.23-24

47	<i>Euryops pectinatus</i> <i>Euryops chrysanthemoides</i> <i>Rudbeckia sp. cv.</i> <i>S. deltoideus</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.23-24
48	<i>S. serataloides</i> <i>S. deltoideus</i> <i>S. helminthiodes</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.26
49	<i>S. serataloides</i> <i>Rudbeckia sp. cv.</i> <i>Cineraria saxifraga</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.24-25
50	<i>S. serataloides</i> <i>Ageratina adenophora (x2)</i> <i>Cynara scolymus</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.28
51	<i>S. serataloides</i> <i>Cynara scolymus</i> <i>Rudbeckia sp. cv.</i> <i>S. deltoideus</i>	07.30 to 08.05 2003	Cape ivy	1 st mines 08.25
52	<i>Dahlia pinnata cv. (x2)</i> <i>Helianthus tuberosus</i> <i>Chromolaena odorata</i>	12.01 to 12.07 2003	Cape ivy	1 st mines Xmas recess
53	<i>Chromolaena odorata</i> <i>Senecio brachypodus</i> <i>Dahlia pinnata cv. (x2)</i> <i>Chromolaena odorata</i>	12.01 to 12.07 2003	Cape ivy	1 st mines Xmas recess
54	<i>Ageratina riparia (x2)</i> <i>Campuloclinium macrocephalum</i> <i>Ageratina riparia (x2)</i>	12.02 to 12.08 2003	Cape ivy	1 st mines Xmas recess
55	<i>Campuloclinium macrocephalum</i> <i>Euryops pectinatus</i> <i>Helianthus tuberosus</i>	12.02 to 12.08 2003	Cape ivy	1 st mines Xmas recess
56	<i>Dahlia pinnata cv.</i> <i>Chromolaena odorata</i> <i>Zinnia elegans</i>	12.01 to 12.07 2003	none	none
57	<i>Tagetes sp. cv.</i> <i>Beta vulgaris subsp. cicla</i> <i>Schistostephium cf. heptalobum</i>	01.13 to 01.19 2004	Cape ivy	1 st mines 02.11
58	<i>Tagetes sp. cv. (x2)</i> <i>Zinnia elegans (x2)</i> <i>Helianthus tuberosus (x2)</i>	01.13 to 01.19 2004	none	none
59	<i>Dahlia pinnata cv.</i> <i>Chromolaena odorata</i> <i>Tagetes sp. cv.</i>	01.13 to 01.19	Cape ivy	1 st mines 02.11
60	<i>S. oxyirifolius (x2)</i> <i>Zinnia elegans</i> <i>Zinnia elegans</i>	01.15 to 01.21 2004	Cape ivy	1 st mines 02.18
61	<i>H. annuus cv. 3037 (x2)</i> <i>Tagetes minuta</i> <i>Tagetes sp. cv.</i>	03.01 to 03.07 2004	Cape ivy	

62	<i>Zinnia elegans</i> <i>H. annuus</i> cv. 3037 (x2) <i>Tagetes minuta</i> (x2) <i>Tagetes minuta</i>	03.01 to 03.07 2004	none	none
63	<i>Cynara scolymus</i> <i>Zinnia elegans</i> <i>Galinsoga parviflora</i> (x2) <i>Tagetes minuta</i>	03.03 to 03.09	Cape ivy	
64	<i>Galinsoga parviflora</i> <i>H. annuus</i> cv. 3037 (x2) <i>Cynara scolymus</i> <i>Campuloclinium</i>	03.03 to 03.09 2004	Cape ivy	
65	<i>macrocephalum</i> <i>Galinsoga parviflora</i> (x2) <i>Cynara scolymus</i> <i>Campuloclinium</i>	03.03 to 03.09 2004	Cape ivy	
66	<i>macrocephalum</i> <i>Tagetes minuta</i> <i>Tagetes sp. cv.</i> <i>Cineraria deltoidea</i> <i>Tagetes minuta</i>	04.19 to 04.26 2004	Cape ivy	1 st mines ± 26.04.04
67	<i>Tagetes sp. cv</i> <i>Cineraria deltoidea</i> <i>Zinnea elegans</i> cv. <i>C. deltoidea</i>	04.19 to 04.26 2004	Cape ivy	1 st mines ± 26.04.04
68	<i>Galinsoga parviflora</i> <i>S. brachypodus</i> <i>Ageratina adenophora</i> <i>Helianthus tuberosus</i>	06.10 to 06.17 2004	Cape ivy	1 st mines 12.07.04
69	<i>Galinsoga parviflora</i> <i>S. oxyriifolius</i> <i>Ageratina riparia</i>	06.10 to 06.17 2004	Cape ivy	1 st mines 12.07.04